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Model #: SM1500RMNAFTA

Smart Pro Rack/Tower UPS System - NAFTA assembled version of SMART1500RMXL2Ua

Highlights

- 1500VA / 1.5kVA line interactive, extended-run 2U rack / tower UPS
- Maintains sine-wave 120V nominal output over an input range of 79 to 147V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 3 two-outlet load banks
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SM1500RMNAFTA intelligent, line interactive rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 21 minutes half load runtime and 7.5 minutes at full load. Runtime is expandable with optional BP36V15-2U external battery pack (limit 1) or BP36V42-3U (multi-pack compatible). Maintains regulated 120V nominal output without using battery power during brownouts and overvoltages from 75 to 147V. 1500VA / 1000 watt power handling capability supports a variety of networking, telecom and other sensitive electronic applications. Includes a total of 8 outlets with 3 load banks that are individually controllable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme. Two year warranty with $250,000 connected equipment insurance (USA & Canada only).

Applications

- Ideal for the protection of rackmount fileservers, network accessories and telecommunications equipment. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems. Line interactive voltage regulation makes this system ideal for locations where severe brownouts and overvoltages are common

Package Includes

SM1500RMNAFTA UPS System

PowerAlert software with USB and DB9 cables

Mounting hardware for 4 post rackmount installation

Cable for Emergency Power Off interface

Instruction manual with warranty information

Features

- SM1500RMNAFTA line interactive UPS offers voltage regulation and battery support, plus complete AC surge suppression
- Supports 2U rackmount and upright tower applications
- Full time sine wave output offer guaranteed compatibility with all equipment types
- Supports a max load of 1500VA for 7.5 minutes and a half load of 750VA for 21 minutes
- Expandable runtime with BP36V15-2U (limit 1) or with multiple BP36V42-3U rack/tower external battery packs
- Maintains regulated 120V nominal output during brownouts and overvoltages from 75 to 147V
- 1500VA / 1000 watt power handling capability supports a variety of sensitive electronic loads
- Includes 8 UPS supported outlets arranged in 3 individually controllable load banks
- Built in USB and DB9 serial ports support remote monitoring of UPS and site power conditions
- Built in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- Attractive all-black color scheme
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary
- Two year warranty with $250,000 connected equipment insurance (USA & Canada only)
- Mounting hardware included for 4 post rackmount enclosures, 2 post telecom rack compatible with separate purchase 2POSTRMKITWM, compatible with upright tower installation with included hardware

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60 Hz
OUTPUT	
Output VA	1500
Output watts	1000
Output nominal voltage	120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%), BATTERY MODE: Sine wave output 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	8 NEMA 5-15R
Customized load management receptacles	Includes 3 load banks, each with 2 outlets, that support load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.
Overload protection	15A input breaker
INPUT	
Maximum input amps	10.1A / 1090 watts
Input connection type	NEMA 5-15P
Input cord length	10 ft., 14 gauge
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	7.5 minutes (1000 watts)
Half load runtime	21 minutes (500 watts)

Expandable battery runtime	Supports extended runtime with optional BP36V15-2U external battery pack (limit 1) or BP36V42-3U (multi-pack compatible)
DC system voltage	36 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC93-2U
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
Overvoltage correction	Input voltages between 128 and 147VAC are reduced by 12%
Direct pass through	Input voltages between 105 and 127VAC are passed on to connected equipment unchanged
Brownout correction	Input voltages between 95 and 104VAC are boosted by 12%
Severe brownout correction	Input voltages between 75 and 94VAC are boosted by 24%
LEDS ALARMS & SWITCHES	
Front panel LEDs	5 front panel LEDs - Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LEVEL LED, red BATTERY WARNING LED.
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	
AC surge suppression	480 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	53
Shipping weight (kg)	23
Shipping Dimensions (HWD/in)	9 x 24 x 20.25
Shipping Dimensions (HWD/cm)	22.9 x 61 x 51.4
Unit weight (lbs)	43.5
Unit weight (kg)	19.7
Unit Dimensions (HWD/in)	3.5 x 17.5 x 13.5
Unit Dimensions (HWD/cm)	8.89 x 44.5 x 34.3
Material of construction	Steel
Form factors supported	Rack (2U)
Cooling method	Built-in cooling fan

Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Line mode BTU/hr. (Max.)	81.9
Battery mode BTU/hr. (Max.)	277.9
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in monitoring ports, 1-USB & 1-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status
Software and cabling included	Includes PowerAlert UPS monitoring software for network and standalone operating systems. Ships with complete USB and DB9 cabling.
SNMP compatibility	Built-in accessory slot accommodates internal SNMPWEBCARD and other network accessories
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	75V (resets to line power as voltage increases to 79V)
High voltage transfer to battery power	147V (resets to line power as voltage decreases to 144V)
SPECIAL FEATURES	
EPO port	Includes RJ11 EPO (emergency power off) port and cable
TVSS grounding	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a safe grounding point
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP36V15-2U (limit 1) or BP36V42-3U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), Class B (Emissions), NOM (Mexico)
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	$250,000 connected equipment insurance (USA / Canada only)
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities

Related Items

Audio Cables		
CT120	Instant-Read- AC Outlet Circuit Tester	Qty: [optional]

Extended Warranties

WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]

External Battery Packs		
BP36V15-2U	BP36V15-2U - External Battery Pack for UPS System	Qty: [optional]
BP36V42-3U	BP36V42-3U - External Battery Pack for UPS System	Qty: [optional]

Power Distribution		
PS7224	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]

SNMP Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or telnet.	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

Tower Stands		
2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3537.

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